

**REFORMULATED REDUCED POLLUTION DIESEL FUEL**

Patent Number: WO0012654  
Publication date: 2000-03-09  
Inventor(s): PEDERSEN MICHAEL J  
Applicant(s): ATLANTIC RICHFIELD CO (US)  
Requested Patent: ☐ WO0012654  
Application Number: WO1999US18622 19990817  
Priority Number(s): US19980145189 19980901  
IPC Classification: C10L1/00 ; C10L1/04 ; C10L1/08 ; C10L1/18 ; C10L7/20 ; F23C1/08  
EC Classification: C10G65/12, C10L1/08  
Equivalents: AU5488899, ☐ EP1115814 (WO0012654), A1

---

**Abstract**

---

A reformulated diesel fuel, a method of making and a method of using the diesel fuel to reduce pollution are disclosed. The diesel fuel meets the requirements of ASTM D975-96a for a low sulfur number 2 diesel fuel and provides reduced emission benefits relative to a certified diesel fuel, certified under Section 2282(g) Title 13, California Code of Regulations and containing less than 15 volume percent aromatics having a natural centane number of at least 55, a sulfur content less than 15 ppmw, a nitrogen content less than 10 ppmw, a polycyclic aromatics content no greater than 1.5 weight percent and an initial boiling point of at least 350 degrees F. The method of making includes hydrotreating stream (12) in a vessel (10) and hydrocracking a stream (20) in a vessel (24) in order to obtain a diesel range fraction which is separated to obtain a diesel fuel (48) and a gasoline fraction (44).

---

Data supplied from the esp@cenet database - I2